



Atty. Docket No. BO41480

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Peter Andre VAN DER LEY

Confirmation No. 1489

Serial No. 09/486,073

GROUP 1645

Filed March 21, 2000

Examiner Jana A. Hines

NOVEL MUTANTS OF GRAM NEGATIVE
MUCOSAL BACTERIA AND APPLICATION
THEREOF IN VACCINES

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Linda
14/12/02*

AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

Responsive to the Official Action of March 26, 2002,
please amend the above-identified application as follows:

IN THE CLAIMS:

Cancel all previous pending claims without prejudice.

Add the following new claims:

✓-19. (new) A viable Gram-negative mucosal bacterium comprising a mutation in a gene selected from the group consisting of *lpxA*, *lpxB*, and *lpxD* genes, wherein the mutation causes the bacterium to lack endotoxic lipopolysaccharide.

✓-20. (new) The bacterium according to claim 19, wherein the bacterium lacks Lipid A.

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